RAILROAD DRIVE

NOTES:
1. ALL MAILBOXES DISTURBED WITH CONSTRUCTION SHALL BE SALVAGED AND REINSTALLED
2. ALL DRIVEWAYS SHALL BE SAWCUT, REMOVED AND REPLACED TO A DISTANCE NO LESS THAN 5' FROM THE BACK OF CURB OR AS DIRECTED BY THE ENGINEER.
3. ALL UTILITY CROSSINGS NOT SPECIFIED FOR REMOVAL SHALL BE SUPPORTED DURING CONSTRUCTION AT NO ADDITIONAL COMPENSATION.

1. MATCH EXISTING BITUMINOUS SURFACING PER ER-ST-2006
2. ADJUST VALVE BOX
3. ADJUST CASTING (STORM)
4. ADJUST FRAME AND RING CASTING (SANITARY) AND CHIMNEY SEAL
5. FURNISH AND INSTALL NEW CASTING
6. RECONSTRUCT MANHOLE
7. EXCAVATE TO LOCATE SANITARY SEWER SERVICE

- INTEGRALLY COLORED CONCRET
- NEW CONCRETE DRIVEWAY
- NEW BITUMINOUS DRIVEWAY
- NEW BITUMINOUS TRAIL
- NEW CONCRETE APRON
- NEW CONCRETE WALK

BEGIN STREET CONSTRUCTION STA. 0+05
24" SOLID WHITE STOP BAR
DRIVEWAY DELETED
TNH=897.54
PARKING VEHICLE ID REQUIRED UP TO $200 FINE FOR VIOLATION
VAN ACCESSIBLE
NO PARKING HATCH (TYP)
4" YELLOW PARKING STRIP (TYP)
IRVING AVENUE SEE SHEET 48
3RD STREET SEE SHEET 54
3RD STREET SEE SHEET 58
CONNECT TO EXISTING STORM PIPE
(2) DIP 8"-45° BENDS
GRADE TO DRAIN AS DIRECTED BY ENGINER
CURBCUT WITH 1 CY RIP RAP
CROSS WALK MARKINGS
4" YELLOW PARKING STRIP (TYP)
CURBCUT WITH 1 CY RIP RAP
CURBCUT WITH 1 CY RIP RAP

0 FT 30 60

RAILROAD DRIVE (WEST OF IRVING)

PVI STA=0+10.00
PVI ELEV=894.82
-3.32%
LOW POINT ELEV=892.13
LOW POINT STA=1+20.00
PVI STA=0+70.00
PVI ELEV=892.83
A.D.=0.02
K=51.56
100.00' VC
BVCS: 0+20.00
BVCE: 894.49
EVCS: 1+20.00
EVCE: 892.13
-1.38%
STA.: 3+07.17
36.00' L
TC=885.33
(2'x3') 9.68
5102
PVI STA=3+25.00
PVI ELEV=889.30
-0.98%
STA.: 3+78.58
24.16' L
TC=888.48
(48") 8.46
5101
PVI STA=4+16.90
PVI ELEV=888.40
885.43(E)
.63
63'-62"-15" RCP
CLASS V @ 1.25%
1.46%
884.66(E,W)
.71
40'-38"-15" RCP
CLASS V @ 0.5%
1.41%
EXISTING SANITARY SEWER

RAILROAD DRIVE (EAST OF IRVING)

PVI STA=0+00.00
PVI ELEV=888.32
STA.: 0+21.47
14.69' L
TC=886.9
(60") 7.98
5100
-2.92%
LOW POINT ELEV=885.59
LOW POINT STA=1+35.00
PVI STA=0+85.00
PVI ELEV=885.84
A.D.=0.02
K=41.42
100.00' VC
BVCS: 0+35.00
BVCE: 887.30
EVCS: 1+35.00
EVCE: 885.59
-0.50%
EX. 15" STORM SEWER
884.36(W) 3.78
881.5(N,E) 1.18
26'-22"-15" RCP
CLASS V @ 0.5%
1.41%

RECORD DRAWING
INFORMATION IS FURNISHED WITHOUT WARRANTY AS TO ACCURACY. USERS SHOULD FIELD VERIFY LOCATIONS AND ELEVATIONS.
THIS DRAWING IS OUR RECORD KNOWLEDGE OF THE PROJECT AS CONSTRUCTED.
JASON WEDEL, P.E. - PROJECT ENGINEER
WSB & ASSOCIATES
JAMES KLEIN - CONSTRUCTION OBSERVER
WSB & ASSOCIATES
DECEMBER 2013

REVISION NO.	DATE	EXPLANATION

SCALE: AS NOTED
PLAN BY: ECY
DESIGN BY: ECY
CHECKED BY: JCW
PROJECT NO: 1992-010
RECORD COPY BY:
DATE

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA

JASON C. WEDEL, P.E. LIC. NO. 26768
DATE: MARCH 4, 2013

2013 STREET IMPROVEMENT PROJECT
ELK RIVER, MINNESOTA

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engineering · planning · environmental · construction

WSB PROJECT NUMBER 1992-01

CONTRACTOR: HARDRIVES INC.

STREET AND UTILITY PLAN
RAILROAD DRIVE

* RECORD DRAWING 2013 *
SHEET 57 OF 110 SHEETS